

Gahanna Division of Police

Jeffrey B. Spence, Chief of Police



Field Services Subdivision

Traffic Survey

Sherwood Meadows Drive 7-12-21 to 8-3-21

460 Rocky Fork Blvd.

Gahanna, Ohio 43230

614-342-4240

WWW.GAHANNA.GOV

Survey Device: Speed Monitoring and Notification Device (SMND) # 1129

Survey Operator: Lt. Ethan Moffitt # L-58

Device Location: Sherwood Meadows Drive near Parsley Place

Device Direction: Facing eastbound traffic (coming from Stygler Road)

Speed Limit: 25 MPH

Survey Dates: 07-12-21 to 08-03-21

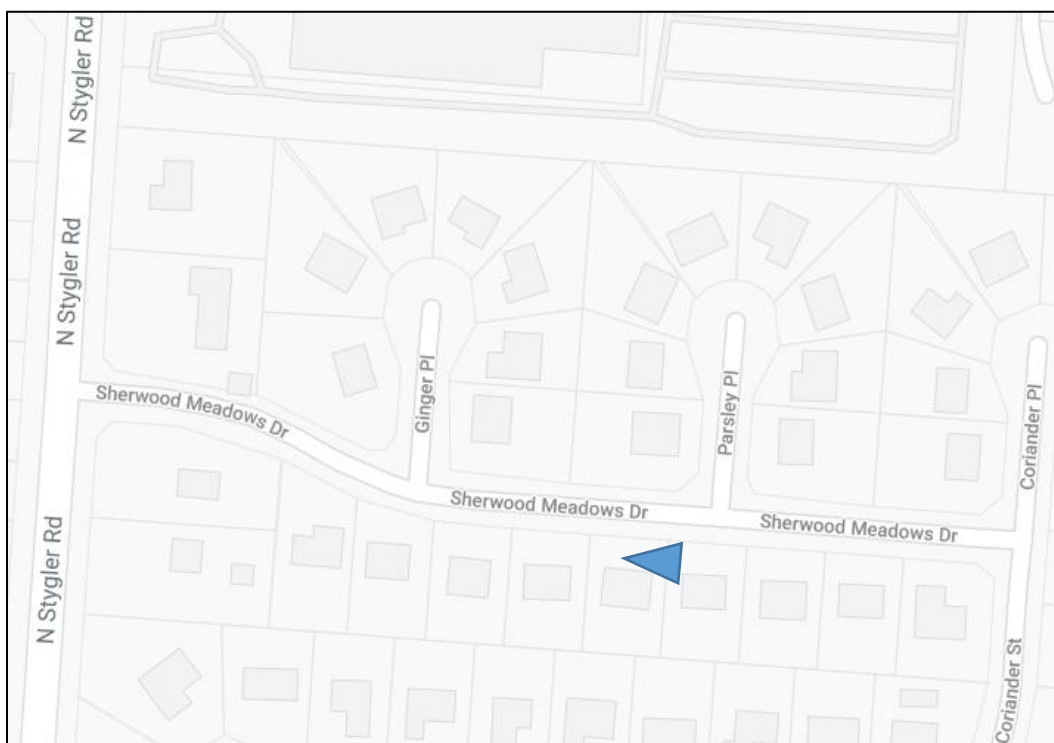
Survey Reason: Resident complaint/request for speed mitigation

Summary –

On 07-21-21, SMND # 1129 was deployed on Sherwood Meadow Drive. The SMND recorded the speed of 15,148 vehicles (combined eastbound and westbound traffic). Of those, 2,353, or 16%, were traveling in excess of the posted speed limit and 12,795, or 84%, were traveling below the speed limit.

The average speed of vehicles traveling in excess of the posted limit was 28 MPH. The overall average speed (above and below the posted limit) was just under 20 MPH. The 85th percentile speed was 26 MPH, meaning that 85% of the vehicles were traveling at a speed of 26 MPH or less. 79 vehicles, or less than 1%, were traveling at speed of 35 MPH or higher (at least 10 over the posted limit). Conversely, of vehicles traveling in excess of the posted limit, 2,274, or 96%, were traveling at less than 10 MPH over the limit.

The survey results indicate that there was substantial compliance with the speed limit during the time the monitoring device was deployed. Officers will continue to conduct routine/periodic patrols of the area.

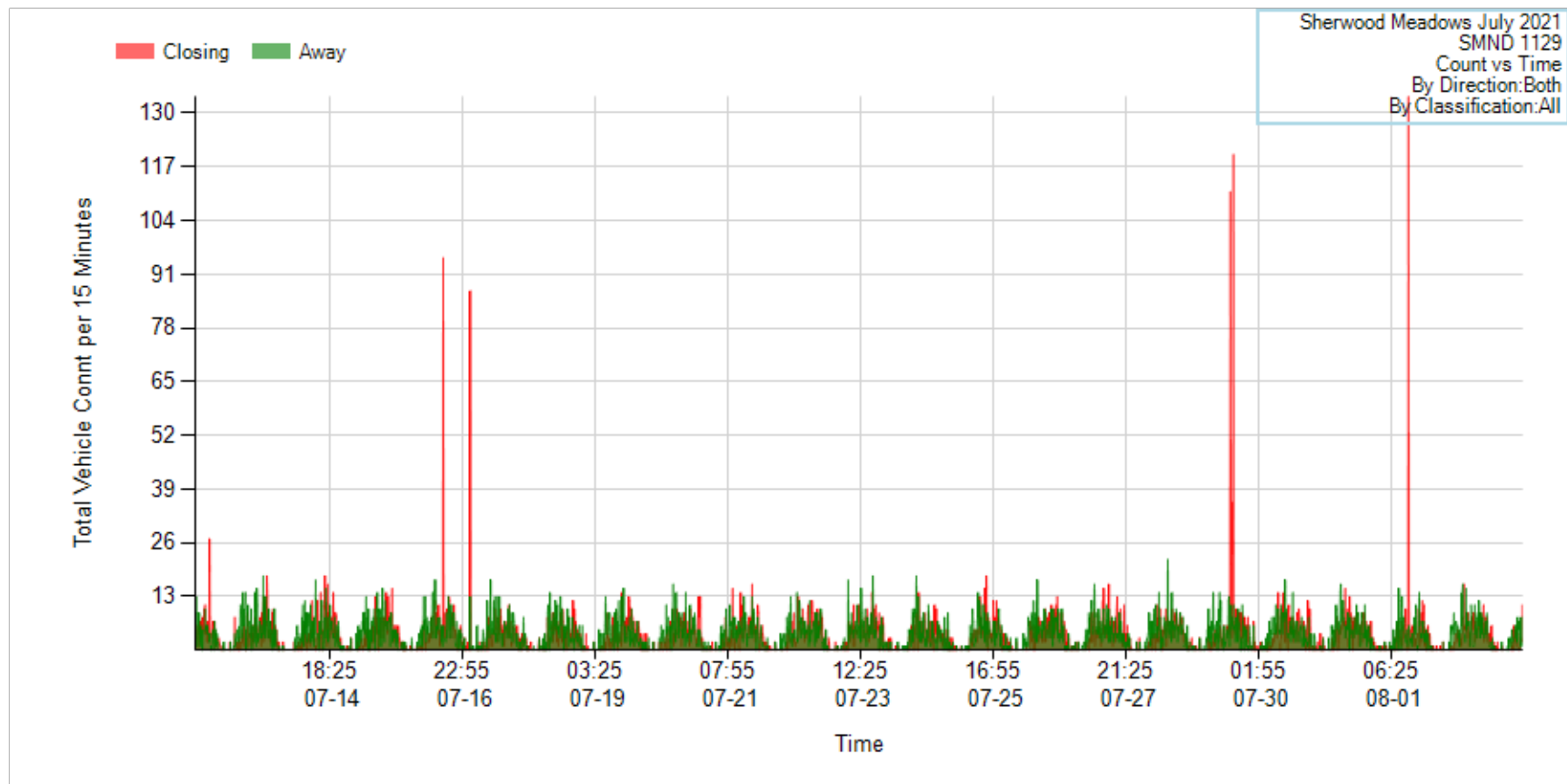




GAHANNA DIVISION OF POLICE SHERWOOD MEADOWS DRIVE - JULY 2021 SPEED SURVEY



Count vs. Time



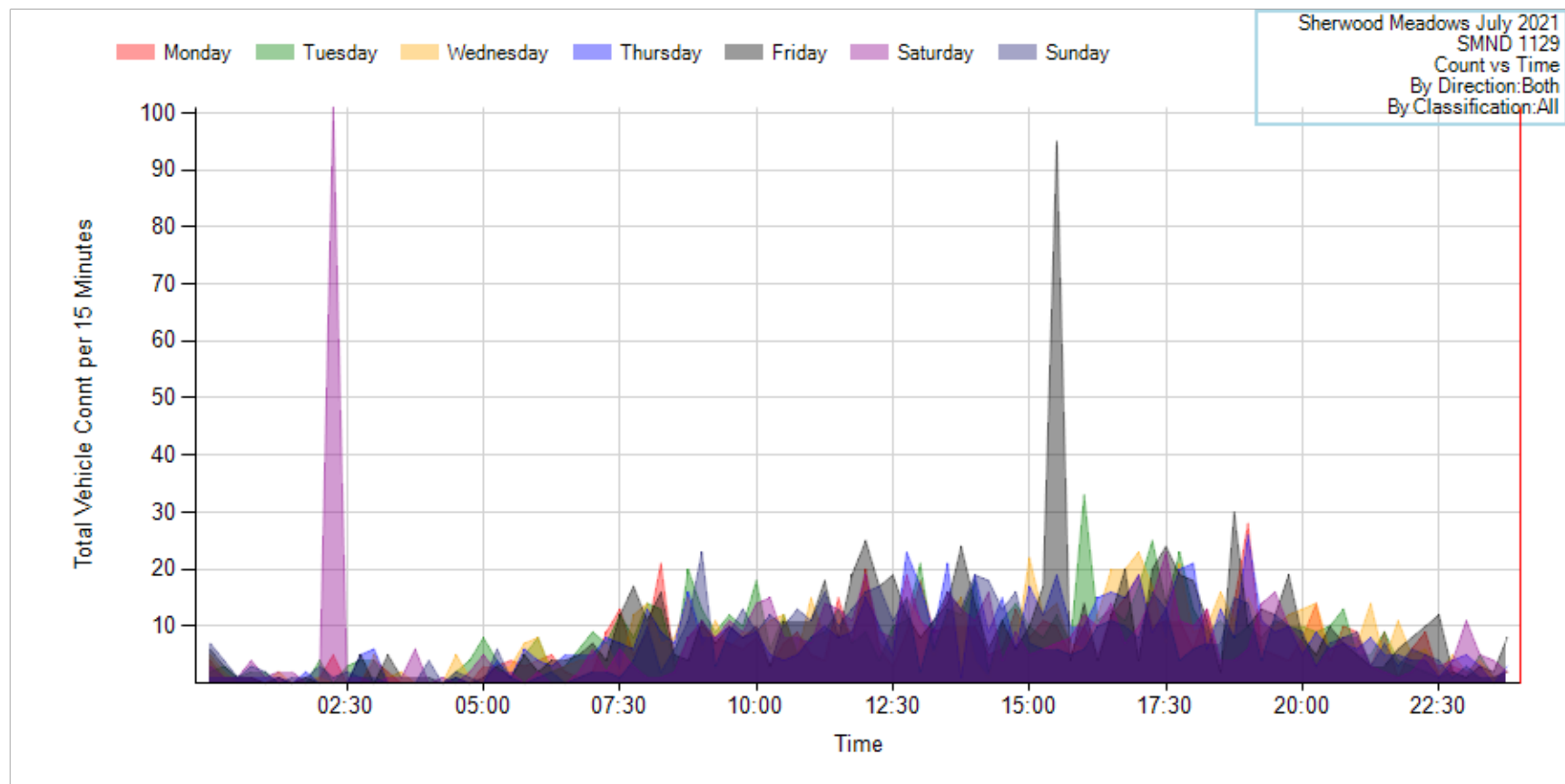
Survey Name	Sherwood Meadows Jul Speed Unit	Miles/Hour	Average Speed	19.7	MPH	Total Volume	15148	100%
Start Date	2021-07-12	Speed Limit	25	Max Speed	60	MPH	Over Limit Count	2353
Stop Date	2021-08-03			Min Speed	10	MPH	Under Limit Count	12795
				85th Percentile	26	MPH	Over Threshold Count	79
				10 MPH Pace	15 - 24	MPH	In Pace Count	7562



GAHANNA DIVISION OF POLICE SHERWOOD MEADOWS DRIVE - JULY 2021 SPEED SURVEY



Weekly Count vs. Time



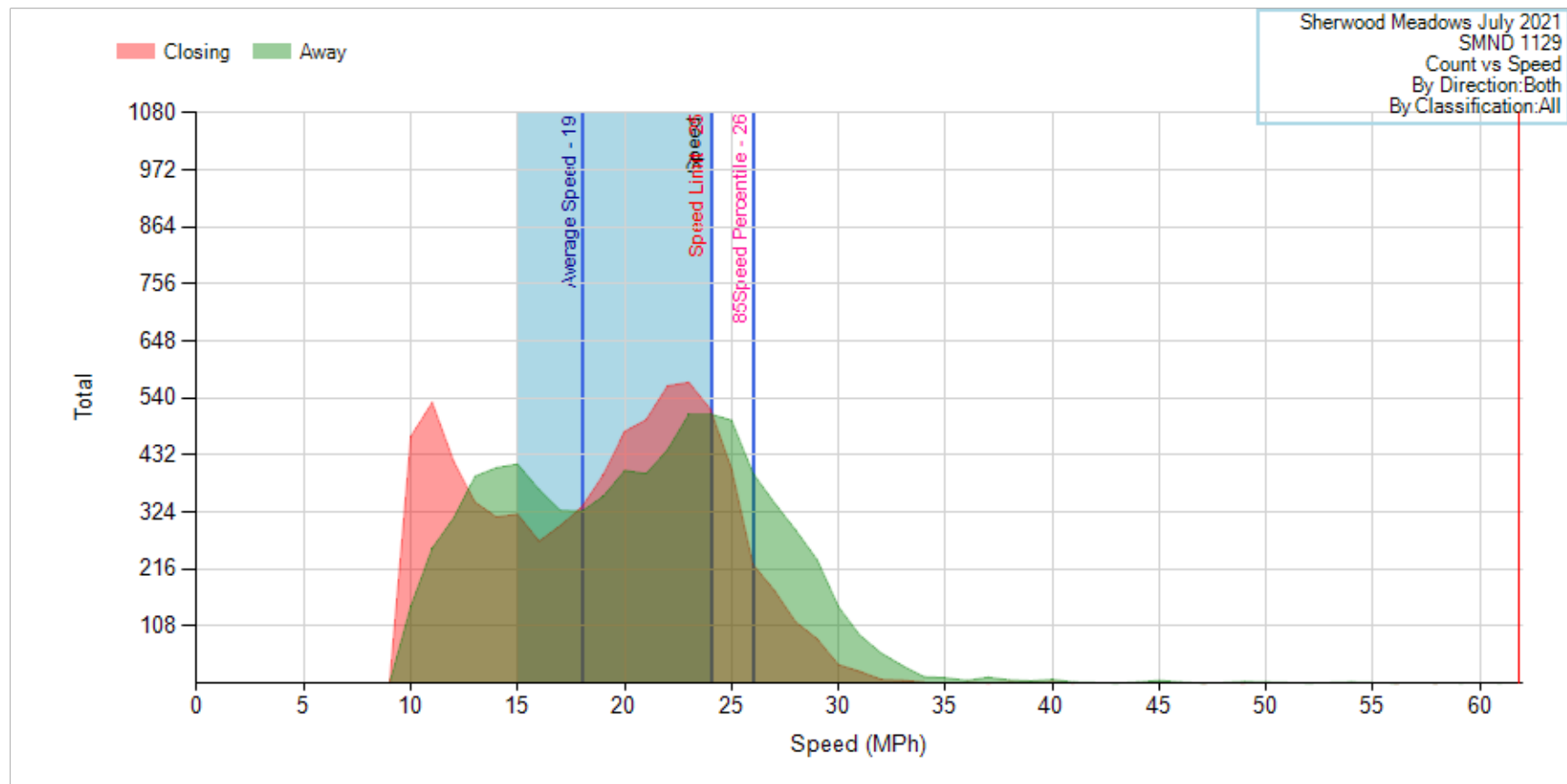
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Start Date	2021-07-12	Speed Limit	25	Max Speed	60	MPH	Over Limit Count	2353	15.5%
Stop Date	2021-08-03			Min Speed	10	MPH	Under Limit Count	12795	84.5%
				85th Percentile	26	MPH	Over Threshold Count	79	0%
				10 MPH Pace	15 - 24	MPH	In Pace Count	7562	49.9%



GAHANNA DIVISION OF POLICE SHERWOOD MEADOWS DRIVE - JULY 2021 SPEED SURVEY



Count vs. Speed



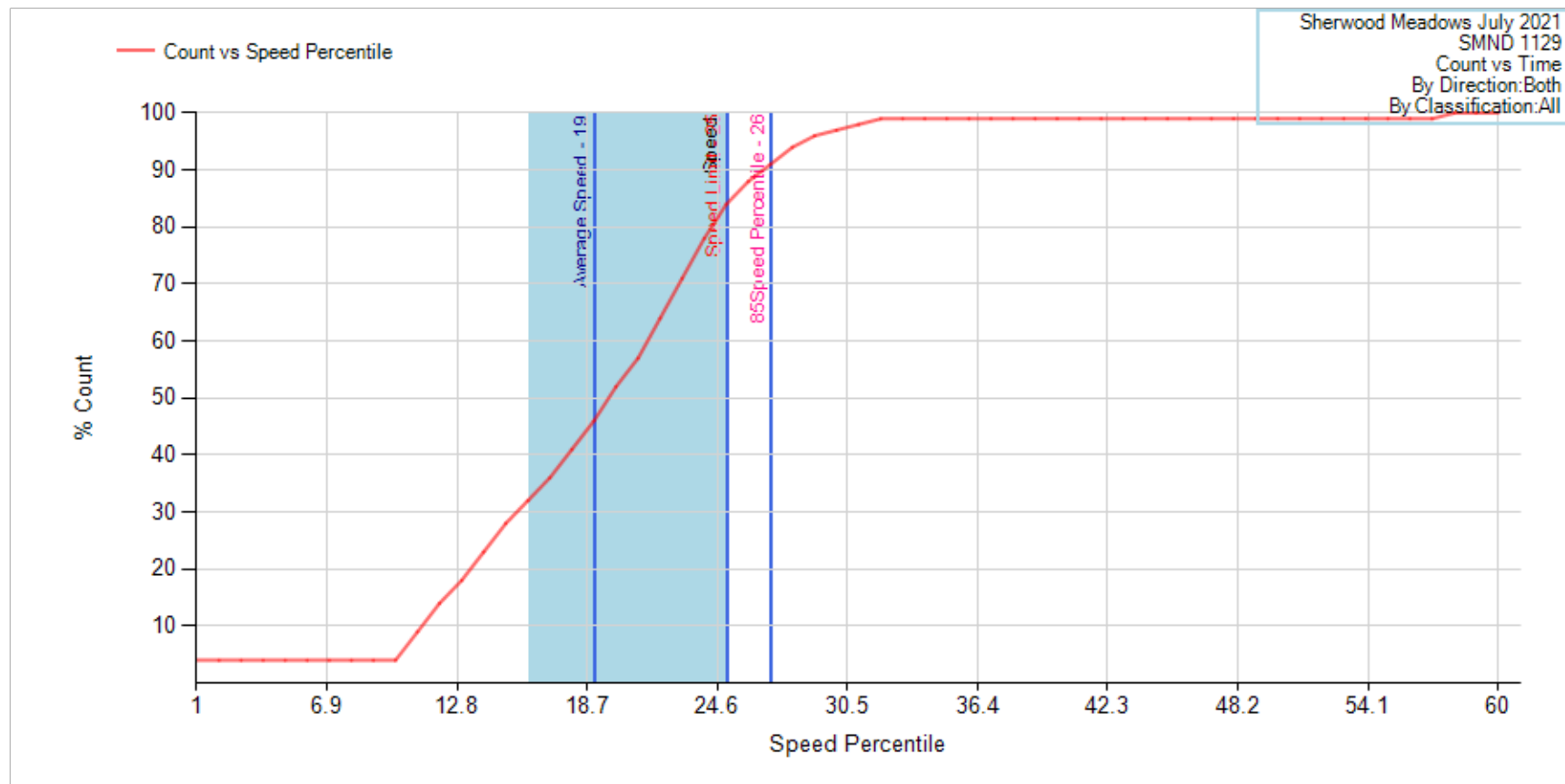
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GAHANNA DIVISION OF POLICE SHERWOOD MEADOWS DRIVE - JULY 2021 SPEED SURVEY



Percentile Chart



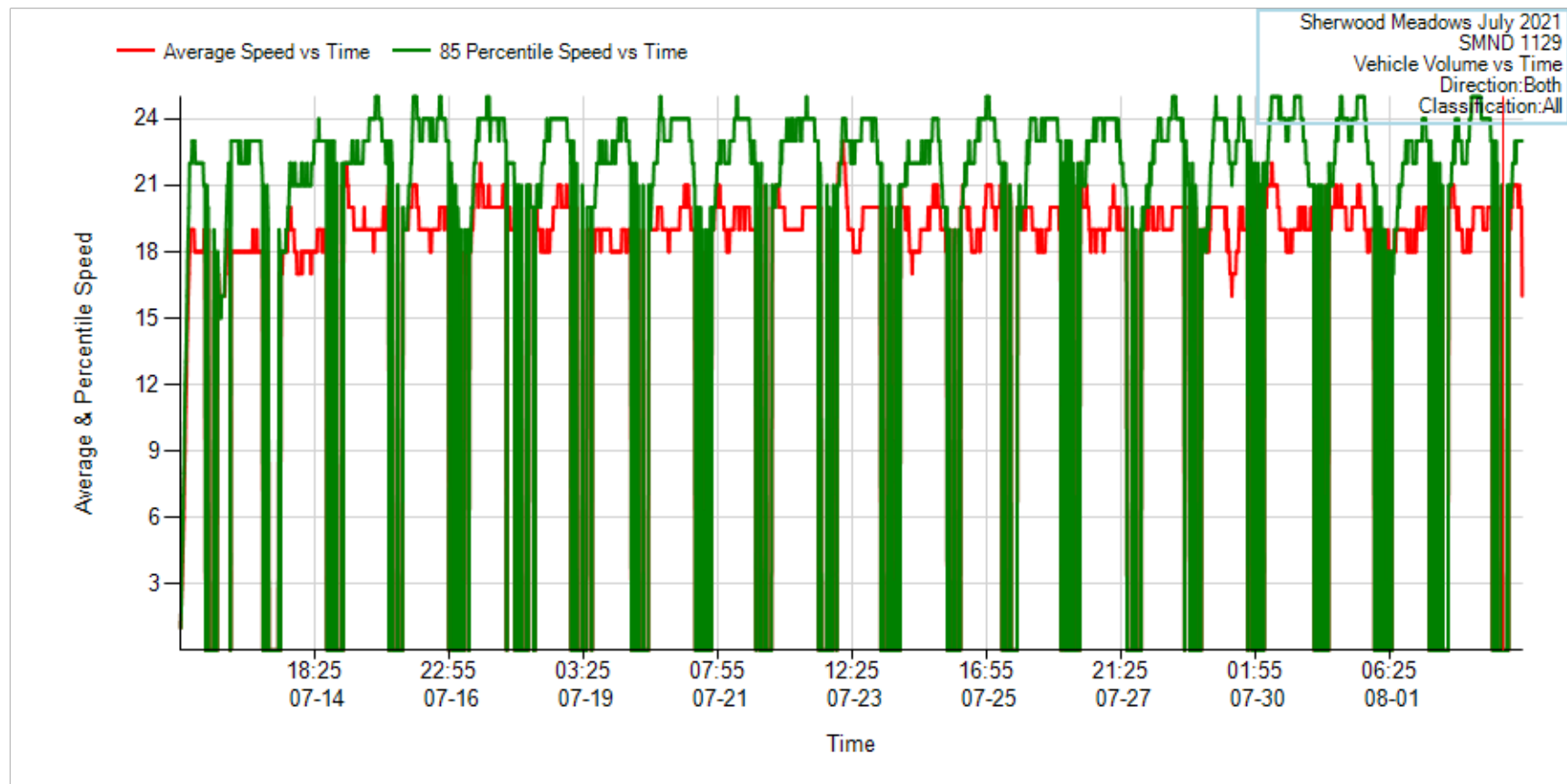
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GAHANNA DIVISION OF POLICE SHERWOOD MEADOWS DRIVE - JULY 2021 SPEED SURVEY



Average Speed vs. Time



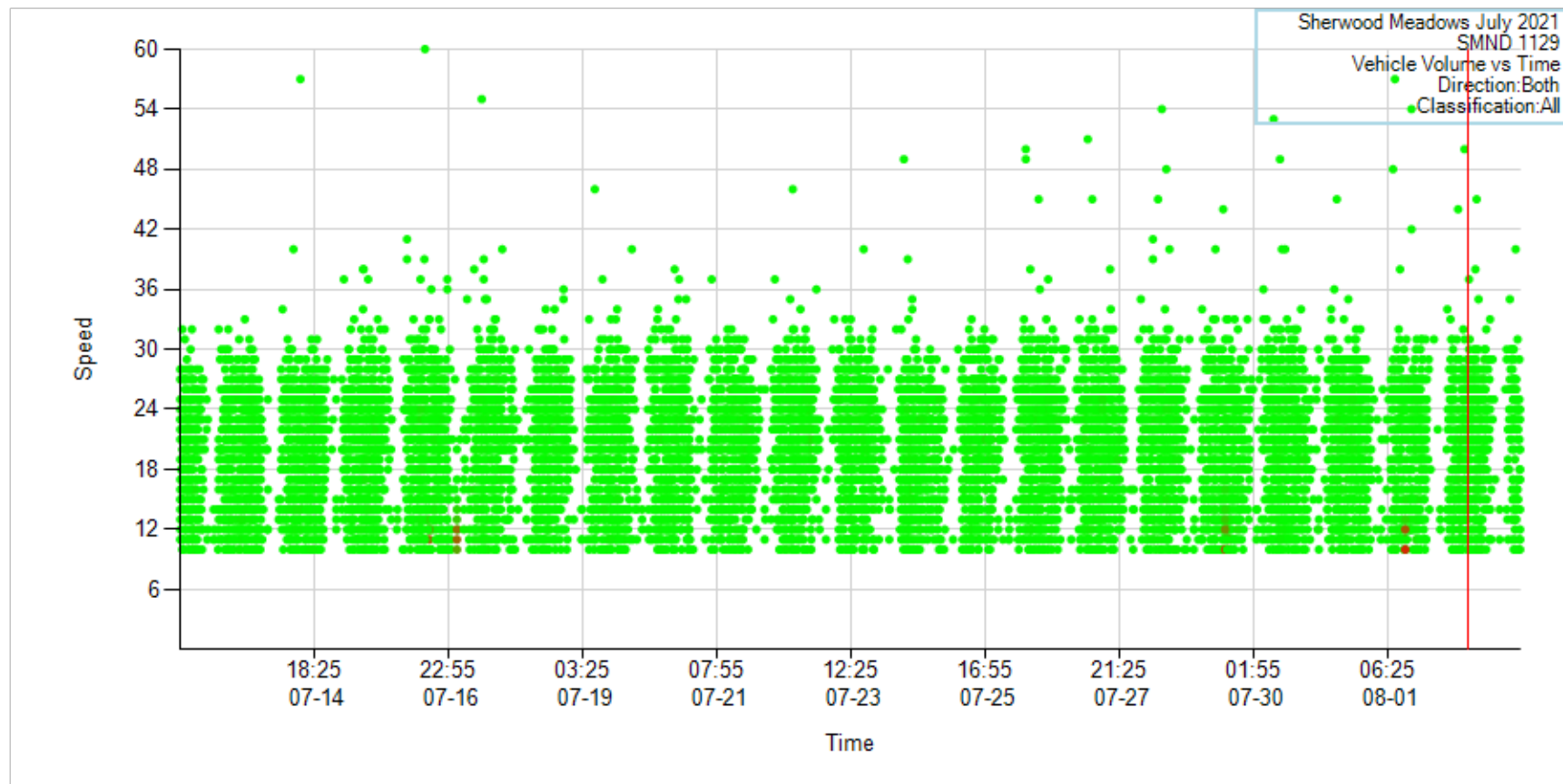
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GAHANNA DIVISION OF POLICE SHERWOOD MEADOWS DRIVE - JULY 2021 SPEED SURVEY



Speed vs. Time Bubble Chart



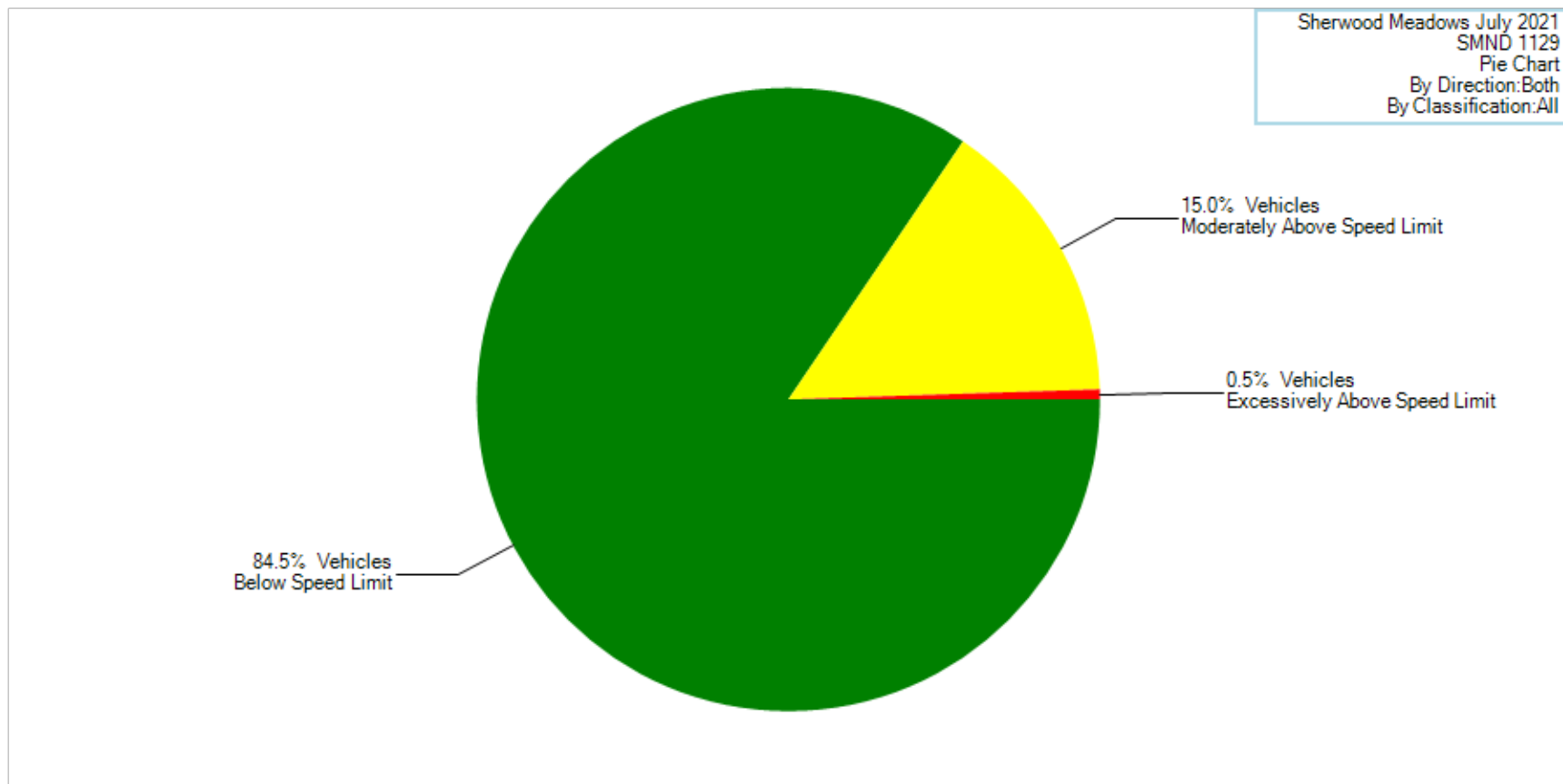
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GAHANNA DIVISION OF POLICE SHERWOOD MEADOWS DRIVE - JULY 2021 SPEED SURVEY



Enforcement Chart



Survey Name	Sherwood Meadows Jul Speed Unit		Miles/Hour	Average Speed	19.7	MPH	Total Volume	15148	100%
Start Date	2021-07-12	Speed Limit	25	Max Speed	60	MPH	Over Limit Count	2353	15.5%
Stop Date	2021-08-03			Min Speed	10	MPH	Under Limit Count	12795	84.5%
				85th Percentile	26	MPH	Over Threshold Count	79	0%
				10 MPH Pace	15 - 24	MPH	In Pace Count	7562	49.9%

GAHANNA DIVISION OF POLICE

SHERWOOD MEADOWS DRIVE - JULY 2021 SPEED SURVEY

Survey Name	Sherwood Meadows July 202...	Location	305 Sherwood Meadows Driv...	Speed Unit	Miles/Hour
Start	2021-07-12 13:55	Traffic Direction	Undefined	Speed Limit	25
Stop	2021-08-03 10:34	Zone	Normal	Min Speed Threshold	10
Operator	000	Min Following Time	0.0	Max Speed Threshold	120
Survey Direction	Both	Time Resolution	1	Speed Resolution	1

Total Vehicle Connt	15148	100%	Average Speed	19.7	MPH	In Pace Count	7562	49%
Under Limit Count	12795	84%	Minimum Speed	10	MPH	10 mph Pace	15 - 24	MPH
Over Limit Count	2353	16%	Maximum Speed	60	MPH	Standard Deviation	5	MPH
10 Over Limit Count	79	0%	85Speed Percentile	26	MPH	Average Speed Over Limit	28.3	MPH



Survey Report Quick Guide/Reference

Over Threshold Count

The default threshold (amount over the posted speed limit) is 10 MPH. The **Over Threshold Count** is the number of vehicles traveling in excess of the selected threshold. For example, if the threshold is set at the 10 MPH default, this would indicate the number of vehicles (within the Total Volume) that were traveling at 10 MPH over the posted limited.

Count vs. Time

The **Count vs Time Chart** shows the number of vehicles per unit of time traveling on the monitored roadway.

Weekly Count vs. Time Chart

The **Weekly Count vs. Time Chart** mode shows the vehicle count per day over a 7-day period. If the survey period extends beyond one 7- day week, the values of each overlapped week day will be the average values for those overlapped week days.

Count vs. Speed Chart

The **Count vs. Speed Chart** selection shows the total vehicle count for each speed group. The size of the speed group can be set by the operator (**Speed Resolution** selection in the **Analysis Control**).

Percentile Chart

The **Percentile Chart** shows the cumulative percentage of vehicles that are at or below a given speed

Average Speed vs. Time Chart

The **Average Speed vs. Time Chart** shows the average and the 85th Percentile Speeds of the vehicles over time.

Speed vs. Time Bubble Chart

The **Speed vs. Time Bubble Chart** plots both vehicle speed and volume against time. The size of the bubble represents the number of cars at a particular speed group at a particular time. This chart is useful in showing traffic bunching.

Average Speed

The average speed of all vehicles

85Speed Percentile

The speed at which 85% of the traffic was traveling **at or less than**. The 85th percentile is considered to be a key metric because it is generally considered to be representative of prevailing traffic conditions (the speed vehicles on the roadway are going most of the time).